

For Research Use Only

Anti-human CD3 (UCHT1)

Catalog Number: 65151-1-Ig



Basic Information

Catalog Number: 65151-1-Ig	GenBank Accession Number: BC049847	Purification Method: Affinity purification
Size: 100ug, Concentration: 0.5 mg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 916	CloneNo.: UCHT1
Source: Mouse	Full Name: CD3e molecule, epsilon (CD3-TCR complex)	
Isotype: IgG1	Calculated MW: 207 aa, 23 kDa	

Applications

Tested Applications:
FC, ELISA

Species Specificity:
Human

Background Information

CD3 is a multimeric protein associated with the T-cell receptor (TCR) to form a complex involved in antigen recognition and signal transduction (PMID: 15885124). CD3 is composed of CD3γ, δ, ε, and ζ chains (PMID: 1826255). It is expressed by thymocytes in a developmentally regulated manner, T cells, and some NK cells (PMID: 3289580). The TCR recognizes antigens bound to major histocompatibility complex (MHC) molecules. TCR-mediated peptide-MHC recognition is transmitted to the CD3 complex, leading to the intracellular signal transduction (PMID: 11985657).

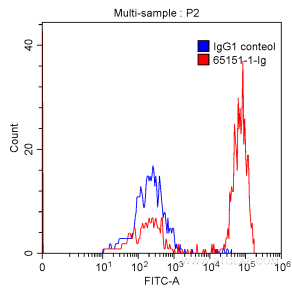
Storage

Storage:
Store at 2-8°C.
Storage Buffer:
Phosphate based buffer with 0.09% sodium azide, pH 7.2.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



1X10⁶ human peripheral blood lymphocytes were surface stained with 1.00 ug Anti-Human CD3 (65151-1-Ig, Clone: UCHT1) (red) or 1.00 ug isotype control antibody (blue) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000. Samples were not fixed.